

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: EPHESUS

Report Number: G2-1902-155-46

Luminaire Tested: **G8-W-PC-500-5000**

Test Date: 03/10/19

Test Information

Test Method: LM-79-08
Report Number: G2-1902-155-46
Test Lab: INNOVATION CENTER(G2)
Test Date: 03/10/19
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: G8-W-PC-500-5000
Description: EPHEBUS G8 LUMINAIRE. UNIT TESTED EPH-G8-HV-W-PC-WHT-IP. BEAM SHAPE 5, 5000K CCT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

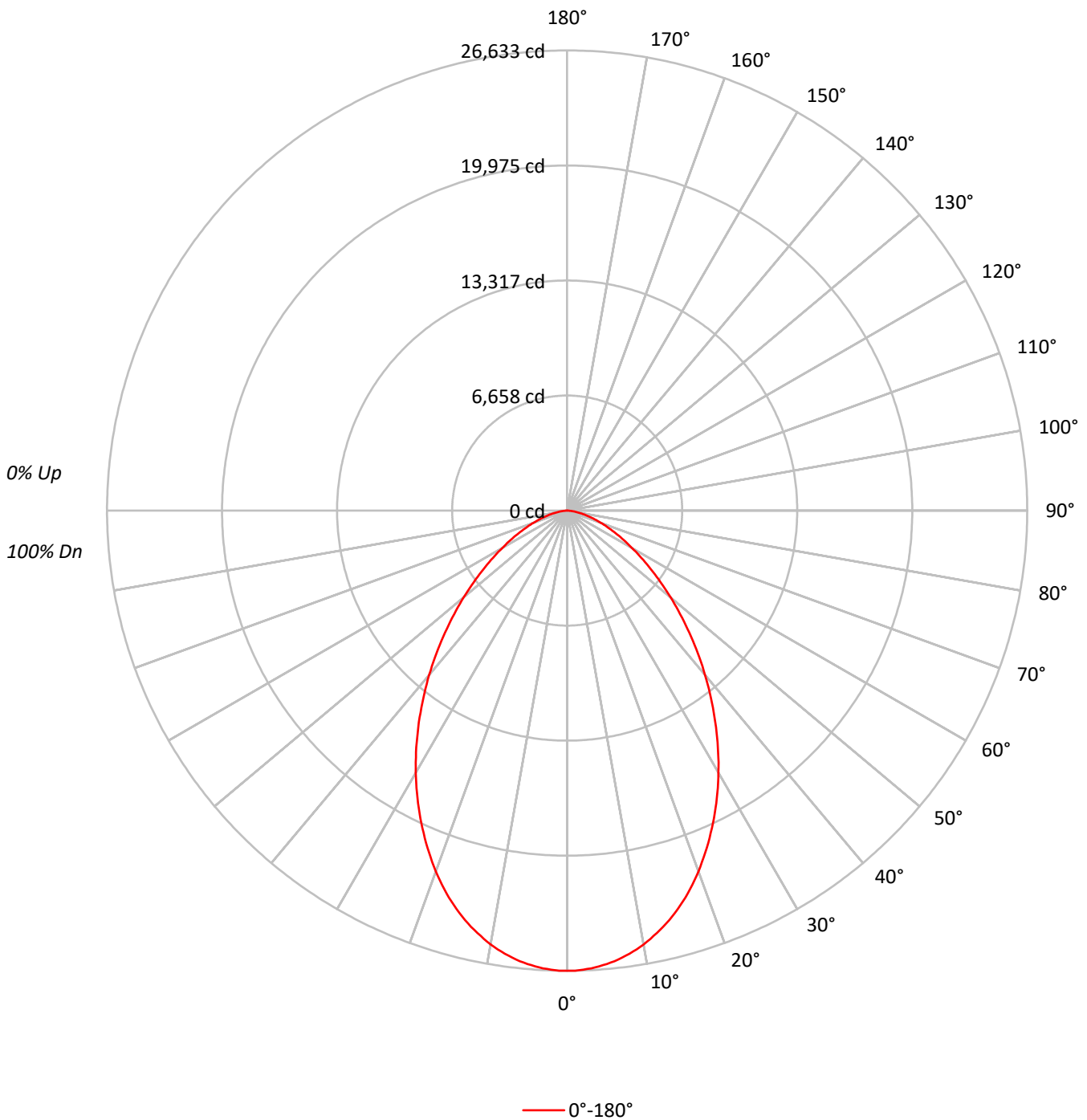
Lumens per Lamp: N/A
Luminaire Lumens: 45546.2 lumens
Efficiency: N/A
Efficacy: 119.2 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1.1
Luminous Opening: Rectangular (W 0.88' x L: 1.38' x H: 0')
CIE Type: Direct

Input Watts (W): 382
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10	0		
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	111	107	104	100	108	105	102	99	101	98	96		97	95	93		93	92	90	88
2	103	96	90	85	100	94	89	84	91	86	82		87	84	81		84	82	79	77
3	95	86	79	74	93	85	78	73	82	76	72		79	74	71		77	73	69	67
4	88	78	70	64	86	76	69	64	74	68	63		72	67	62		70	65	62	60
5	82	71	63	57	80	70	62	57	68	61	56		66	60	56		64	59	55	53
6	76	65	57	51	75	64	56	51	62	55	50		60	54	50		59	54	50	48
7	71	59	51	46	70	58	51	46	57	50	45		56	50	45		54	49	45	43
8	67	55	47	42	65	54	47	42	53	46	41		52	46	41		50	45	41	39
9	63	51	43	38	61	50	43	38	49	42	38		48	42	38		47	42	38	36
10	59	47	40	35	58	47	40	35	46	39	35		45	39	35		44	38	35	33

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	238276
5°	236563
10°	231631
15°	223322
20°	211590
25°	197075
30°	180963
35°	163369
40°	145076
45°	126499
50°	108676
55°	92231
60°	77496
65°	65393
70°	54540
75°	44868
80°	33798
85°	18477



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2487.7	5.5
10°-20°	6760.8	14.8
20°-30°	9162.3	20.1
30°-40°	9334.8	20.5
40°-50°	7727.3	17.0
50°-60°	5326.9	11.7
60°-70°	3096.6	6.8
70°-80°	1389.2	3.1
80°-90°	260.7	0.6
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	18410.8	40.4
0°-40°	27745.5	60.9
0°-60°	40799.7	89.6
0°-90°	45546.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	45546.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	26633	
5°	26341	###
15°	24111	6761
25°	19964	9162
35°	14958	9335
45°	9998	7727
55°	5913	5327
65°	3089	3097
75°	1298	1389
85°	180	261
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	26633
1°	26632
2°	26584
3°	26530
4°	26448
5°	26341
6°	26221
7°	26071
8°	25897
9°	25709
10°	25497
11°	25253
12°	24987
13°	24723
14°	24427
15°	24111
17.5°	23238
20°	22224
22.5°	21128
25°	19964
27.5°	18768
30°	17517
32.5°	16246
35°	14958
37.5°	13664
40°	12422
42.5°	11188
45°	9998
47.5°	8863
50°	7808
52.5°	6812
55°	5913
57.5°	5088
60°	4331
62.5°	3683
65°	3089
67.5°	2556
70°	2085
72.5°	1661
75°	1298
77.5°	944
80°	656
82.5°	396
85°	180
87.5°	55



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CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0}$

(END OF REPORT)